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Form PTO-1449
(REV. 8-83)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
110108.01APPLICATION NO.
Rule 53(b) Divisional of
Application No. 09/904,875

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)
Takamitsu ASANUMA et al.FILING DATE
April 22, 2004PRIOR GROUP
3748

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		5,100,632	03-31-1992	Dettling et al.		
		4,902,487	02-20-1990	Cooper et al.		
		6,588,204	7/8/2003	HIROTA et al.		
		6,568,178	5/27/2003	HIROTA et al.		
		09/979,643	11/26/2001	NAKATANI et al.		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
		JP 7-106290 B2	11-15-1995	Japan		
		JP 3012249 B2	12-10-1999	Japan		
		JP 2000-18026 A	01-18-2000	Japan		
		JP 9-94434 A	04-08-1997	Japan		
		JP 6-159037 A	06-07-1994	Japan		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

DATE CONSIDERED

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
		JP 6-272541 A	09-27-1994	Japan			
		JP 11-300165 A	11-02-1999	Japan			
		59-30507	2/25/84	JAPAN			
		WO 00/42302	7/20/00	WIPO			
		EP 0 984 142 A1	8/3/00	EUROPEAN			
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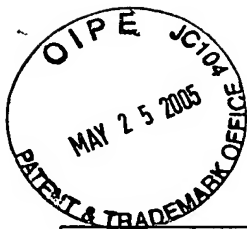
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
		04031614 A	3/2/92	JAPAN		
		07180536 A	7/18/95	JAPAN		
		60-235620	11/22/85	JAPAN		
		05354427 (abstract)	7/28/95	JAPAN		
		02070389 (abstract)	12/3/91	JAPAN		
		55050255 (abstract)	11/18/81	JAPAN		
		03344731 (abstract)	7/20/93	JAPAN		
		5-98932	4/20/93	JAPAN		
		61-28709	8/2/86	JAPAN		
		58-137423	8/15/83	JAPAN		
		11-336534	12/7/99	JAPAN		
		10-306717	11/17/98	JAPAN		
		10-220218	8/18/98	JAPAN		
		8-338229	12/24/96	JAPAN		
		7-189656	7/28/95	JAPAN		

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		7-119444	5/1995	Japan (w/Abstract & English-translation)		
		4-129829	4/1992	Japan (w/Abstract only)		
		63-100218	5/1988	Japan (w/Abstract only)		

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